Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/05/2019 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125320	0	1.64	125315	1.70
Blue	F	SSC	125000	124837	-1	1.49	125632	1.48
Blue	E	FITC	16122	15727	-3	2.73	342	19.77
Blue	D	PE	29316	28804	-2	1.89	630	14.32
Blue	B	PerCP-Cy5-5	42590	42489	-1	3.61	1147	19.86
Blue	A	PE-Cy7	33146	33179	0	6.20	630	40.83
Red	C	APC	45473	45306	-1	2.53	1605	12.27
Red	A	APC-Cy7	31961	30970	-4	2.45	818	12.14
Violet	B	V450	7914	7549	-5	4.71	421	13.45
Violet	A	V500	29769	28938	-3	4.55	672	10.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21486	3.73	608	8	N/A	N/A	Pass
Blue	F	SSC	56746	1.07	552	14	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0213	191	Pass
Blue	D	PE	130	49.99	541	4	0.1845	325	Pass
Blue	B	PerCP-Cy5-5	208	49.78	647	9	0.0096	82	Pass
Blue	A	PE-Cy7	118	98.84	699	8	0.0109	11	Pass
Red	C	APC	381	26.03	587	8	0.0240	195	Pass
Red	A	APC-Cy7	181	29.26	562	6	0.0055	1117	Pass
Violet	B	V450	64	61.05	468	8	0.0524	2255	Pass
Violet	A	V500	100	35.30	480	8	0.0218	887	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.96	-31.72	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.54	13.60 - 20.40	N/A	N/A	29.52	29.70	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10159

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments